

# Stefan Rothenburg

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,880  
citations

279798

23  
h-index

395702

33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2261  
citing authors

#	ARTICLE	IF	CITATIONS
1	Poxviruses and the evolution of host range and virulence. <i>Infection, Genetics and Evolution</i> , 2014, 21, 15-40.	2.3	204
2	Human Cytomegalovirus Induces the Interferon Response via the DNA Sensor ZBP1. <i>Journal of Virology</i> , 2010, 84, 585-598.	3.4	178
3	A PKR-like eukaryotic initiation factor 2 $\hat{A}$ kinase from zebrafish contains Z-DNA binding domains instead of dsRNA binding domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 1602-1607.	7.1	154
4	Single domain antibodies from llama effectively and specifically block T cell ecto $\hat{A}$ ADP $\hat{A}$ ribosyltransferase ART2.2 in vivo. <i>FASEB Journal</i> , 2007, 21, 3490-3498.	0.5	106
5	Rapid evolution of protein kinase PKR alters sensitivity to viral inhibitors. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 63-70.	8.2	106
6	A survey of host range genes in poxvirus genomes. <i>Infection, Genetics and Evolution</i> , 2013, 14, 406-425.	2.3	97
7	Multiple elements in the eIF4G1 N-terminus promote assembly of eIF4G1 $\hat{A}$ CPABP mRNPs<i>in vivo</i>. <i>EMBO Journal</i> , 2011, 30, 302-316.	7.8	85
8	IFN $\hat{I}$ 2 responses induced by intracellular bacteria or cytosolic DNA in different human cells do not require ZBP1 (DLM-1/DAI). <i>Cellular Microbiology</i> , 2008, 10, 2579-2588.	2.1	76
9	Species-Specific Host $\hat{A}$ Virus Interactions: Implications for Viral Host Range and Virulence. <i>Trends in Microbiology</i> , 2020, 28, 46-56.	7.7	74
10	Double-stranded RNA-activated protein kinase PKR of fishes and amphibians: Varying the number of double-stranded RNA binding domains and lineage-specific duplications. <i>BMC Biology</i> , 2008, 6, 12.	3.8	73
11	ZBP1 subcellular localization and association with stress granules is controlled by its Z-DNA binding domains. <i>Nucleic Acids Research</i> , 2006, 34, 5007-5020.	14.5	71
12	Myxoma Virus Protein M029 Is a Dual Function Immunomodulator that Inhibits PKR and Also Conscripts RHA/DHX9 to Promote Expanded Host Tropism and Viral Replication. <i>PLoS Pathogens</i> , 2013, 9, e1003465.	4.7	58
13	Complex regulation of the human gene for the Z-DNA binding protein DLM-1. <i>Nucleic Acids Research</i> , 2002, 30, 993-1000.	14.5	54
14	Adaptive Gene Amplification As an Intermediate Step in the Expansion of Virus Host Range. <i>PLoS Pathogens</i> , 2014, 10, e1004002.	4.7	51
15	Battle Royale: Innate Recognition of Poxviruses and Viral Immune Evasion. <i>Biomedicines</i> , 2021, 9, 765.	3.2	49
16	Myxoma virus M156 is a specific inhibitor of rabbit PKR but contains a loss-of-function mutation in Australian virus isolates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3855-3860.	7.1	45
17	DNA methylation and Z-DNA formation as mediators of quantitative differences in the expression of alleles. <i>Immunological Reviews</i> , 2001, 184, 286-298.	6.0	42
18	Characterization of a ranavirus inhibitor of the antiviral protein kinase PKR. <i>BMC Microbiology</i> , 2011, 11, 56.	3.3	40

#	ARTICLE	IF	CITATIONS
19	Overexpression of eIF5 or its protein mimic 5MP perturbs eIF2 function and induces ATF4 translation through delayed re-initiation. <i>Nucleic Acids Research</i> , 2016, 44, 8704-8713.	14.5	40
20	SARS-CoV-2 detection and genomic sequencing from hospital surface samples collected at UC Davis. <i>PLoS ONE</i> , 2021, 16, e0253578.	2.5	37
21	Interaction between the tRNA-Binding and C-Terminal Domains of Yeast Gcn2 Regulates Kinase Activity In Vivo. <i>PLoS Genetics</i> , 2015, 11, e1004991.	3.5	35
22	Archaeal aIF2B Interacts with Eukaryotic Translation Initiation Factors eIF2 $\hat{1}$ and eIF2 $\hat{B}$ : Implications for aIF2B Function and eIF2B Regulation. <i>Journal of Molecular Biology</i> , 2009, 392, 701-722.	4.2	34
23	Essential role of eIF5-mimic protein in animal development is linked to control of ATF4 expression. <i>Nucleic Acids Research</i> , 2014, 42, 10321-10330.	14.5	24
24	The poxvirus C7L host range factor superfamily. <i>Current Opinion in Virology</i> , 2012, 2, 764-772.	5.4	23
25	Enhanced Interaction between Pseudokinase and Kinase Domains in Gcn2 stimulates eIF2 $\hat{1}$ Phosphorylation in Starved Cells. <i>PLoS Genetics</i> , 2014, 10, e1004326.	3.5	22
26	DNA methylation contributes to tissue- and allele-specific expression of the T-cell differentiation marker RT6. <i>Immunogenetics</i> , 2001, 52, 231-241.	2.4	18
27	AC dielectrophoretic manipulation and electroporation of vaccinia virus using carbon nanoelectrode arrays. <i>Electrophoresis</i> , 2017, 38, 1515-1525.	2.4	18
28	Orthopoxvirus K3 orthologs show virus- and host-specific inhibition of the antiviral protein kinase PKR. <i>PLoS Pathogens</i> , 2021, 17, e1009183.	4.7	16
29	Species-specific inhibition of antiviral protein kinase R by capripoxviruses and vaccinia virus. <i>Annals of the New York Academy of Sciences</i> , 2019, 1438, 18-29.	3.8	14
30	Maladaptation after a virus host switch leads to increased activation of the pro-inflammatory NF- $\hat{1}$ B pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2115354119.	7.1	9
31	Evolution of eIF2 $\hat{1}$ Kinases: Adapting Translational Control to Diverse Stresses. , 2016, , 235-260.		7
32	Rapid, Seamless Generation of Recombinant Poxviruses using Host Range and Visual Selection. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	7
33	Ectopic Expression of Vaccinia Virus E3 and K3 Cannot Rescue Ectromelia Virus Replication in Rabbit RK13 Cells. <i>PLoS ONE</i> , 2015, 10, e0119189.	2.5	7
34	Characterization of multiple alleles of the T-cell differentiation marker ART2 (RT6) in inbred and wild rats. <i>Immunogenetics</i> , 2005, 57, 739-749.	2.4	1